



## Quick Installation Guide

### 24-Port 10/100/1000Mbps Green Switch

Model# AGSW2400



Ver. 1A

## **Trademarks**

Copyright © 2011 Airlink101®

Airlink101® is a registered trademark. All other trademarks belong to their respective proprietors.

## **Copyright Statement**

No part of this publication may be reproduced in any form or by any means or used to make any derivative such as translation, transformation, or adaptation without permission from Phoebe Micro, Inc.

## **Preface**

### **FCC Warning**

This device has been tested and found to comply with limits for a Class a digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the user's manual, may cause interference in which case the user will be required to correct the interference at his own expense.

### **CE Mark Warning**

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

# 1 Introduction

Congratulations on your purchase of the 24-Port 10/100/1000Mbps Green Switch! It is an easy-installed network switch which helps you to extend your network structure quickly and reliably.

## Purpose

This Quick Installation Guide tells you how to install your Switch and how to connect it to your Ethernet network.

## Terms/Usage

In this manual, the term “Switch” (first letter upper case) refers to your 24-Port 10/100/1000Mbps Green Switch, and “switch” (first letter lower case) refers to other Ethernet switches.

## 1.1 Hardware Interface

- 24-Port 10/100/1000Mbps auto-negotiation RJ45 Ports
- All ports support auto MDI/MDIX, no need to use cross-over cables

## 1.2 Panel

### 1.2.1 Front Panel

The front panel of the Switch consists of LED indicators, and 24 10/100/1000Mbps ports. The figure below shows the front panel of the Switch.

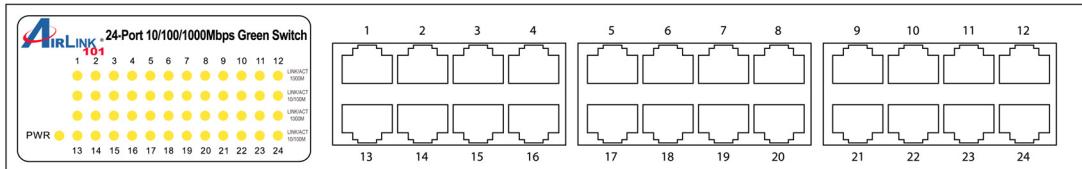


Figure 1-1 Front Panel view of the Switch

- 10/100/1000Mbps Ports (Port 1~24): These ports support 10/100/1000Mbps, and can operate in Half/Full Duplex transfer modes. These ports also support automatic MDI/MDI-X crossover detection, giving true “plug and play” capability.
- LED Indicators: Comprehensive LED indicators display the status of the switch and the network (see Section 1.2.3).

## 1.2.2 Rear Panel



Figure 1-2 Rear Panel view of the Switch

- AC Power Connector: Supports AC 100~240V, 50~60Hz.

**NOTICE:**

Do not cover or put anything on and surrounding the switch while the Switch is operating.

## 1.2.3 LED indicators information

The front panel LEDs provide instant status feedback and help monitoring and troubleshooting when needed.

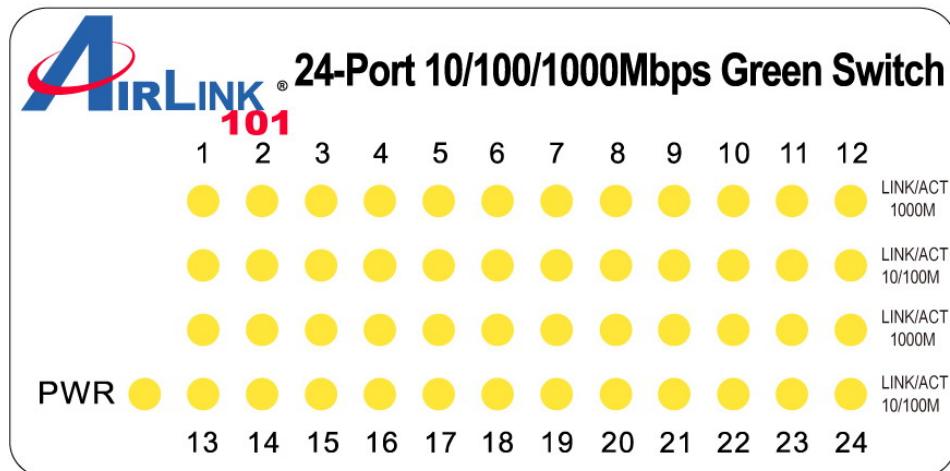


Figure 1-3 Front Panel view of the switch

- **POWER: Power Indicator**

LED	Color	Status		
		Solid	Blinking	Off
POWER	Green	The Switch is power-on	N/A	No power

- **Port 1~24 10/100/1000Mbps Status LEDs**

LED	Color	Status		
		Solid	Blinking	Off
LINK/ ACT 10/100M	Green	The respective port is successfully connected to the 10/100Mbps Ethernet network	The port is transmitting or receiving data at 10/100Mbps	No link
LED	Color	Status		
		Solid	Blinking	Off
LINK/ ACT 1000M	Green	The respective port is connected to the 1000Mbps Ethernet network	The port is transmitting or receiving data at above 100Mbps	No link

## 1.3 Technical Specifications

### Standards

- IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T Gbit and IEEE 802.3x Flow Control

### Network Cables

- Ethernet (10Base-T): Cables: 2-pair UTP Cat. 3, 4, 5, Twisted Pair (UTP). Up to 100m
- Fast and Giga Ethernet (100/1000Base-T): 2-pair UTP Cat. 5, Twisted Pair (UTP). Up to 100m

### Ports

- 24 x 10/100/1000Mbps Auto-Negotiation RJ45 Port

### Access Method

- CSMA/CD

### Transmission Method

- Store and Forward

### MAC Address Table

- 16K

### Jumbo Frame

- 9216-byte jumbo packet length forwarding at wire speed

## **Data Transfer Rate\*\***

- Ethernet: 10/20Mbps – Half/Full-Duplex
- Fast Ethernet: 100/200Mbps – Half/Full Duplex
- Giga Ethernet 1000/2000Mbps – Half/Full Duplex

## **Physical and Environmental**

- Power Input: 100~240V AC, 50~60Hz
- Operation Temperature: 0 °C ~ 40°C
- Storage Temperature: -20°C ~ 70°C
- Humidity: 5% ~ 90% RH, non-condensing

## 2

# Installing the Switch

The site where you place the switch may greatly affect its performance. When installing, take the following into your consideration.

## 2.1 Installation

Follow the guidelines below to install the Switch:

Install the Switch in a fairly cool and dry place. See the Technical Specifications for the acceptable temperature and humidity operating ranges. Install the Switch on a sturdy, level surface that can support its weight. Connect the power cord to the Switch and the power outlet. The distance is no more than 182cm.

Leave at least 10cm (about 4 inches) of space at the front and rear of the Switch for ventilation.

## 2.2 Desktop or Shelf Installation

When installing the Switch on the desktop or shelf, please attach the rubber feet to the Switch. Peel off the protective paper on the pads and attach them on the bottom of the Switch (one at each corner).

## **2.3 Rack Installation**

The Switch is rack-mountable and can be installed on an EIA 13-inch equipment rack. To do this, first install the mounting brackets on the Switch's side panels (one on each side), secure them with the included screws, and then use the screws provided with the equipment rack to mount the Switch.

## **2.4 Power on the Switch**

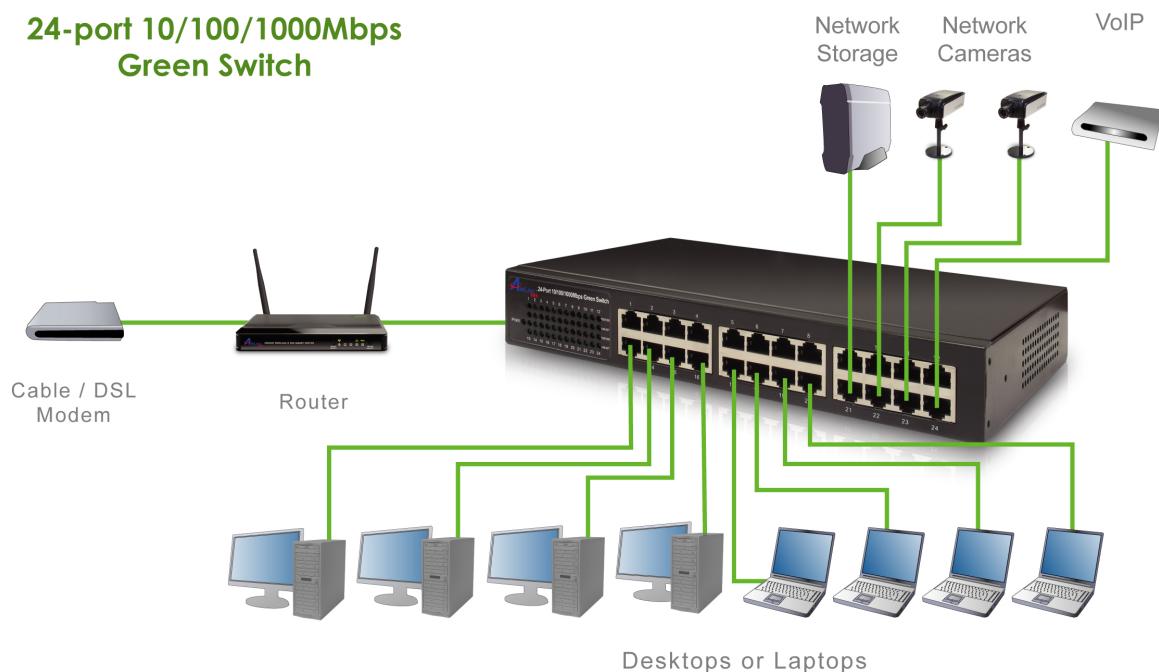
The Switch has a universal power supply ranging from 100V to 240V AC, 50 ~ 60Hz power source. The AC power connector is located at the rear of the unit. The switch's power supply will adjust to the local power source automatically.

# 3

# Connecting the Switch

This section describes how to connect the Switch to your 10/100/1000Mbps Ethernet network.

## 3.1 Connection



Your network device (i.e. computer, switch, IP Camera, VoIP) can be connected to any port of the Switch via a two-pair UTP Category 5 Cable. If the LED indicators do not light up after making a proper connection, check your network device, the cable, the Switch conditions and connections.

## Technical Support

E-mail: [support@airlink101.com](mailto:support@airlink101.com)

Toll-Free: 1-888-746-3238\*

Web Site: [www.airlink101.com](http://www.airlink101.com)

\* Free Voice Technical Support is only available within the hardware warranty (1-Year Limited Warranty from the date of purchase). Customer is required to provide invoice as purchase evidence.

\*\*Network conditions and environmental factors as well as network overhead can lower actual data throughput rate.

Copyright © 2011 AirLink101®. All rights reserved. AirLink101, the stylized AirLink101® logo, specific product designations, and all other words and logos that are identified as trademarks and/or service marks are, unless noted otherwise, the trademarks and service marks of AirLink101®. All other product or service names are the property of their respective holders. AirLink101 products are protected under numerous U.S. and foreign patents and pending applications, mask work rights, and copyrights.